APPENDIX L
WATER SERVICE

Olivenhain Mutual Water District
Water System Analysis.
January 21, 2009

OLIVENHAIN
Municipal Water District

1966 Olivenhain Road, Encinitas, California 92024 | Phone (760) 753-6466 | Fax (760) 753-1578 | www.omwd.com

January 8, 2009

Mr. Clyde Wickham
City of Carlsbad Public Works
1635 Faraday Avenue
Carlsbad, CA 92008

Subject: Tentative Parcel Map MS 04-08
La Costa Town Square

Dear Mr. Wickham:

The District has reviewed Tentative Parcel Map MS 04-08 for the proposed La Costa Town Square Project by La Costa Town Square, LLC (Project Proponent). This TPM will create four total parcels over approx. 24.39 acres, of which two are classified as residential, one as commercial and one as office. This property is in the District and eligible to receive domestic service at this time for the proposed uses. Facilities to service this project will be designed as a separate set of improvement plans to be approved by the District.

The District has or will have adequate facilities in this area to serve the project. All water received by the District is imported from other agencies. Accordingly, there is no guarantee that water will be available to serve the project when water is requested. The availability of water depends upon a number of complex factors including annual rainfall, drought periods, the amount of water remaining in storage and environmental and other constraints to the delivery of water. No final decision will be made by the District on the ability to serve water to the project until an application for water service is made by the Project Proponent and approved by the District. At that time, the District will determine whether adequate water is available to serve the project in the District's sole discretion.

Both Water Code §350 and Water Code §71640 grant the District the right to restrict the use of water during any emergency caused by a drought or any other threatened or existing water shortage and to prohibit the use of District water during such periods as the District determines to be necessary. The District may also prohibit the use of District water during any periods for specific uses which it finds to be nonessential. Nothing contained in this water availability letter shall be construed as limiting in any way the legislative discretion of the District to declare an emergency or water shortage and to curtail or prohibit the use of water as determined necessary or appropriate by the District to conserve water during droughts or other threatened or existing water

shortages. Certain stages of water shortages may result in a prohibition on new water meters.

This letter is issued for planning purposes and is not a representation, express or implied, that the District will provide any water service at a future date. Commitments to provide water service are made only when an application for water service is made by the Project Proponent and approved by the District and are subject to the Project Proponent's compliance with the Districts' fees, charges, rules and regulations, the Environmental Quality Act of 1970, as amended, and the Project Proponents' agreement to construct any required onsite and off site facilities together with the Project Proponent's providing security as required by the District for construction of those facilities.

Improvement fees, when applicable, are paid to the District to reserve future water service for the project contingent upon the Project Proponent paying all fees and charges and complying with all requirements of the District. The payment of all improvement fees by the date they are due is an express condition precedent to any right of the Project Proponent to receive future water service. The failure of the Project Proponent to make any improvement fee payment by the date it is due shall automatically terminate the right of the Project Proponent to receive future water service and no previous improvement fee payments paid by the Project Proponent shall be refunded. Reinstatement of the water commitment requires the Project Proponent to remedy any defects or deficiencies and payment of fees and charges applicable, as determined by the District, in its sole discretion.

This letter of project approval is conditioned on the following requirements and/or limitations:

1. The District's determination that adequate water is available to serve the project at the time the Project Proponent submits a request for water service to the District.
2. Payment of all improvements fees, as appropriate, when due in accordance with District Ordinance 301, or successor Ordinance, not attached hereto, but incorporated herein by reference.
3. Project Proponent is required to have a hydraulic analysis done by the District's consulting engineer to ascertain the impact of the project on the District's water system.
4. Project Proponent is required to provide all fee and easements as required for construction of onsite and offsite facilities as required by the District, in its sole discretion.
5. Project Proponent is required to construct all onsite and offsite facilities as required by the District, in its sole discretion.

6. Project Proponent is required to execute District Agreement for pipeline construction and furnish all necessary documents for insurance, bonding, and pay all District's charges as they are invoiced.
7. In accordance with District Assessment District 96-01, not attached hereto, but incorporated herein by reference, lots of ½ acre or less may have a ¾ inch meter installed unless owner chooses to upgrade the meter and pay the additional fees and charges. Lots greater than ½ acre but less than 3 acres require one-inch meters to be installed. Lots in excess of 3 acres require a minimum 1½ inch meter to be installed. Larger meters may be required by the District, in its sole discretion.
8. The District may require larger meters than the Assessment District 96-01 lot size criteria would dictate if the individual residence requires water service greater than can be accommodated by the standard ¾ inch meter irrespective of the lot size, in its sole discretion.
9. Project Proponent is required to comply with District Ordinance 280 for the mitigation of impacts to the District's Assessment District 96-1. Ordinance 280 requires an executed agreement to request increased EDU's that this project requires. The Project Proponent is responsible for payment of all fees and charges as outlined in the executed agreement.
10. The District has not declared a water shortage that restricts water usage or prohibits new water meters.
11. All irrigation meters shall be served with re cycled water unless previously approved in writing by the District.

This letter pertains solely to the proposed project TPM MS 04-08, is not transferable to any other project, and is not transferable to any other owner or Project Proponent without written permission of the Board of Directors of the District. Any purported transfer, sale, or assignment of this letter without the prior written consent of the District renders this letter null and void.

OLIVENHAIN MUNICIPAL WATER DISTRICT

Karen Ogawa
Engineering Project Supervisor

Cc: Mr. Robert Ladwig, Ladwig Design Group
File 559520

La Costa Town Square Water System Analysis

Olivenhain Municipal Water District

General Manager	Kimberly A. Thorner
Engineering Manager	George R. Briest, PE

AECOM

Project Manager	Alex L. Bucher, PE RCE 66711, Exp. 09/30/10
Project Engineer	Tranh Huynh, EIT
Reviewed by:	Anders K. Egense, PE
Assessor Parcel Nos.	223-050-70; 223-060-32
OMWD W.O. No.	559520

20141.02

January 2009

BOYLE | AECOM 7807 Convoy Court, Suite 200 San Diego, CA 92111

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La Costa Town Square Water System Analysis

District Statement

This hydraulic analysis is premised upon current criteria. It is not a representation, express or implied, that Olivenhain Municipal Water District will furnish water at a future date. Applications for service are governed by separate District rules and regulations, and are the subject of separate and distinct proceedings, apart from hydraulic analysis.

All water supplied by the District is imported from the Metropolitan Water District of Southern California via the San Diego County Water Authority. In the event that a water shortage or a threatened water shortage exists, the District reserves the right to restrict or terminate future water service to customers of the District. The District has adopted a water conservation ordinance, which is available to all applicants upon request.

In order to provide for the efficient utilization of limited water resources, the conversion of irrigation water demands from the potable system to a future recycled water system shall be evaluated for all projects and determination of feasibility shall be made by the District, in its sole discretion.

Introduction

This project encompasses the area east of Rancho Santa Fe Road and north of La Costa Avenue as shown on Figure 1.

The project, as studied, is divided into three developments: La Costa Town Square Commercial, La Costa Town Square Office, and La Costa Town Square Residential. The commercial development covers the northwestern portion of the project site and includes 24 commercial buildings. The office development is along the southern boundaries and consists of two office buildings with an option to replace one of the office buildings with 20 multi-family dwelling units. Located on the eastern portion of the project site is the residential development which consists of 64 single-family dwelling units with lots ranging in size from 0.17 acres to 0.63 acres. The proposed water facilities analyzed in this study are shown on Figure 2. These water facilities were analyzed during peak hour and maximum day plus fire flow conditions using the District's 2000 Master Plan's hydraulic computer model ($H_2ONET^{®}$).

Information describing La Costa Town Square was obtained from tentative maps entitled “Tentative Map for La Costa Town Square Commercial” (sheets 1 through 10 dated October 2008), “Tentative Map for La Costa Town Square Office” (sheets 1 through 4 dated October 2008) and “Tentative Map for La Costa Town Square Residential” (sheets 1 through 7 dated June 2008) prepared by O’Day Consultants.

Source of Water

The proposed development is located within two OMWD pressure zones. Based on the elevations of the proposed facilities, the commercial and office developments will be served through Zone 4 while the residential development will be served through Zone 6.

Pressure Zone 4 receives water through the South East No. 1 and Main 18” Pressure Reducing Stations from Pressure Zone 7. The service area has an operational HGL of 582 feet based on the primary pressure reducing station valve setting. Storage is provided indirectly from the Denk and Gaty Reservoirs in Zone 7.

Water for Pressure Zone 6 is supplied from Pressure Zone 7 through the La Costa Vales No. 3 Pressure Reducing Station. The service area has an operational HGL of 672 feet based on the primary pressure reducing station valve setting. Storage requirements are met indirectly by the Denk and Gaty Reservoirs, also in Zone 7.

The commercial development will be directly served through a connection to a 12” pipeline in La Costa Avenue (along the southwestern edge of the development) and a proposed connection totaling approximately 70 feet starting near the northwest corner to an 18” pipeline in Rancho Santa Fe Road (Figure 2). To build the future development, a second proposed connection for the commercial development is required starting from the northeast corner to a 12” pipeline located in an easement approximately 800 feet north of Rancho Santa Fe Road (Figure 2). The alignment for this loop runs parallel to Paseo Lupino and connects near the Main 18” Pressure Reducing Station.

The office development will be directly served through two connections to a 12” pipeline in La Costa Avenue along the southern edge of the development (Figure 2).

The residential development will be directly served through a connection to a 12” pipeline in La Costa Avenue along the southeastern edge of the development and a connection to the 8” pipeline at the terminus of Sito Lima (Figure 2).

Water Demands and Design Criteria

Estimated average annual water demands used in this analysis for the proposed development are based on water demand factors utilized by the Olivenhain Water District Water Master Plan dated January 2000 and are as follows:

1. 450 gallons/day/multi-family dwelling unit (0.313 gpm/dwelling unit) for all multi-family residences within Zone 4
2. 2500 gallons/day/acre (1.736 gallons/minute/acre) for all commercial and retail lots within Zone 4
3. 655 gallons/day/single family dwelling unit (0.454 gpm/dwelling unit) for all single family residences on lots having less than 0.5 acre within Zone 6
4. 1244 gallons/day/single family dwelling unit (0.864 gpm/dwelling unit) for all single family residences on lots 0.5 to 3.0 acre within Zone 6

Based on these demand factors, the total average annual day demand for the project is estimated to be 661 gpm and 348 gpm for Zone 4 and Zone 6, respectively. If anticipated demands differ from those assumed in this report, the District shall be notified immediately and re-evaluation and/or re-analysis of the proposed water system will be made.

The total average annual day demand for Zone 4 was calculated using the optional 20 multi-family dwelling units in the office development. This option represents a higher demand scenario when compared to the office building that the multi-family units will be replacing.

Irrigation demands for greenbelts, islands, open spaces, and other common landscape areas will be provided with recycled water and are not included in the analysis. The use of potable water for irrigation is

prohibited due to the availability of recycled water along La Costa Avenue.

Special fire flow requirements for the multi-level structures were not identified by the developer and therefore, are not included as part of this study. It should also be noted that this analysis evaluates pressure available at the water main only, and a separate analysis should be performed by the fire sprinkler designers to meet the requirements for elevated, multi-level structures. If special fire flow requirements are determined necessary by the City of Carlsbad Fire Department, the District shall be notified immediately and re-evaluation and/or re-analysis of the proposed water system will be made.

The system was analyzed for peak hour and maximum day plus fire flow demand conditions. The minimum desirable pressure during a peak hour demand condition is 60 psi. During a maximum day plus fire flow demand condition, the minimum required pressure is 20 psi in the vicinity of the fire. The desirable static pressure range is 60 to 100 psi.

As directed by the City of Carlsbad Fire Department in an letter dated November 3, 2008, operating pressures during a fire flow demand condition were evaluated based on a fire flow demand of 4,000 gpm for the commercial development and 1,500 gpm for the residential development. Fire hydrant locations for La Costa Town Square were determined based an exhibit entitled “Fire Hydrant and DCDA Exhibit for La Costa Town Square” (dated September 2008) prepared by O’Day Consultants. If the City of Carlsbad Fire Department determines that an increased fire flow is required or significantly alters the location of fire hydrants, the District must be notified immediately and a re-analysis will be required.

Results and Conclusions

An exhibit entitled “Site Plan” (sheet SDP-AS1 dated October 2008) prepared by Smith Consulting Architects indicate the project will be phased. The buildings in the commercial development will be constructed in Phase I while the buildings in the office development will be constructed in separate phases. However, the proposed water facilities for the commercial and office developments are not interconnected and phasing will not affect the hydraulic analyses. For

the purposes of this analysis, the water system was analyzed under an ultimate system scenario.

Commercial Development

The results of the computer analyses under the ultimate system indicate that with the installation of the water facilities shown on Figure 2, the development can be served during a peak hour demand condition with a minimum residual pressure greater than 60 psi, and during a maximum day plus 4,000 gpm fire flow demand condition with residual pressures greater than 20 psi in the vicinity of the fire.

Pressure Zone 4

Maximum hydraulic gradient elevation based on pressure reducing station main valve setting:	*582 feet*
Elevation range within commercial development:	*286-406 feet*
Maximum static pressure range based on primary reducing station valve setting within commercial development:	*76-128 psi*
Minimum Residual Pressures within commercial development:	
Max. day plus 4,000 gpm fire flow:	*Greater than 20 psi*
Peak hour demand:	*Approx. 76 psi*

Office Development

The results of the computer analyses under the ultimate system indicate that with the installation of the water facilities shown on Figure 2, the development can be served during a peak hour demand condition with a minimum residual pressure greater than 60 psi, and during a maximum day plus 4,000 gpm fire flow demand condition with residual pressures greater than 20 psi in the vicinity of the fire.

Pressure Zone 4

Maximum hydraulic gradient elevation based on pressure reducing station main valve setting:	*582 feet*
Elevation range within office development:	*271-295 feet*
Maximum static pressure range based on primary reducing station valve setting within office development:	*124-135 psi*
Minimum Residual Pressures within office development:	
Max. day plus 4,000 gpm fire flow:	*Greater than 20 psi*
Peak hour demand:	*Approx. 118 psi*

Residential Development

The results of the computer analyses under the ultimate system indicate that with the installation of the water facilities shown on Figure 2, the development can be served during a peak hour demand condition with a minimum residual pressure greater than 60 psi, and during a maximum day plus 1,500 gpm fire flow demand condition with residual pressures greater than 20 psi in the vicinity of the fire.

Pressure Zone 6

Maximum hydraulic gradient elevation based on pressure reducing station main valve setting:	*672 feet*
Elevation range within residential development:	*294-382 feet*
Maximum static pressure range based on primary reducing station valve setting within residential development:	*126-164 psi*
Minimum Residual Pressures within residential development:	
Max. day plus 1,500 gpm fire flow:	*Greater than 20 psi*
Peak hour demand:	*Approx. 106 psi*

Required Facilities

The following facilities and connections are required for this project (see Figure 2):

Commercial Development

1. The commercial development will require a connection to a 12" pipeline on La Costa Avenue along the southwestern edge of the development.

2. A proposed connection starting from the northeast corner to a 12" pipeline located in an easement approximately 800 feet north of Rancho Santa Fe Road.

Office Development

1. The office development will require two connections to a 12" pipeline in La Costa Avenue along the southern edge of the development.

Residential Development

1. The residential development will require a connection to a 12" pipeline on La Costa Avenue along the southeastern edge of the development and a connection to an 8" pipeline located at the terminus of Sito Lima.

Pipes located at elevations below 326 feet in Zone 6 must be rated for service up to 200 psi.

Assessment District AD 96-1:

This development is subject to the terms and conditions of Ordinance No. 280 and successor ordinances of the Board of Directors of the Olivenhain Municipal Water District establishing methods and procedures for the collection of impact charges on properties made necessary by the increase of density at the time of the final subdivision map approval, a change in zoning, or other increase in water demands in excess of those assessed in Assessment District 96-1. The comparison of proposed development density in Equivalent Dwelling Units (EDUs) to the development density assumed in the formation of Assessment District 96-1 in Equal Equivalent Dwelling Units (EEDUs) is shown below:

La Costa Town Square Development Density

Assessor Parcel No.	AD 96-1		Proposed Development*	
	Units	EEDU's	Units	EDU's
223-050-70	40	48.3	64	66
223-060-32	7	164	0 20**	0 14**
			Commercial	53 47**
Total	**47**	**212.3**	**64 84****	**119 127****

* *Proposed EDU's are estimated based on land use and acreage data from the Olivenhain Water Storage Project Assessment District No. 96-1 Volume I Final Engineer's Report Assessment Roll, dated October 1996. The total EDUs must be verified as construction takes place.*

** *If developer opts to replace one of the office buildings in the office development with 20 multi-family dwelling units.*

Appendix

Project Summary

Design Considerations for Water Main Construction

OMWD General Water System Notes

OMWD Standard Legend Symbols

OMWD Approval Blocks

OMWD Granting and Acceptance Certificates

OMWD Guidelines for Placement of Valves on Waterlines

December 2008

PROJECT: La Costa Town Square **20141.02**

1. GROSS ACREAGE: 73.1 OMWD W.O. 559520

2. TYPE OF DEVELOPMENT	Total EDUs Proposed	Number of Units	Meter Size	Net (Pad) Acres	Total EEDUs Assessed
A. RESIDENTIAL:					212.3
Lots less than 0.5 acres	62	62	¾"		
Lots 0.5 to 3.0 acres	4	2	1"		
Lots greater than 3 acres			1½ "		
Multifamily	0/14**	0/20**	¾"		
B. COMMERCIAL	53/47**	26/25**			
C. SCHOOLS					
D. PARKS/REC BLDG					
E. GOLF COURSE					
F. ORCHARD/CROPS					
G. OPEN SPACE					
H. IRRIGATION					

3. FIRE REQUIREMENTS: FIRE SPRINKLERS REQ'D FLOW (gpm)

** Option to replace 1 office w/ 20 MFU YES X 4,000 gpm - Commercial

NO 1,500 gpm - Residential

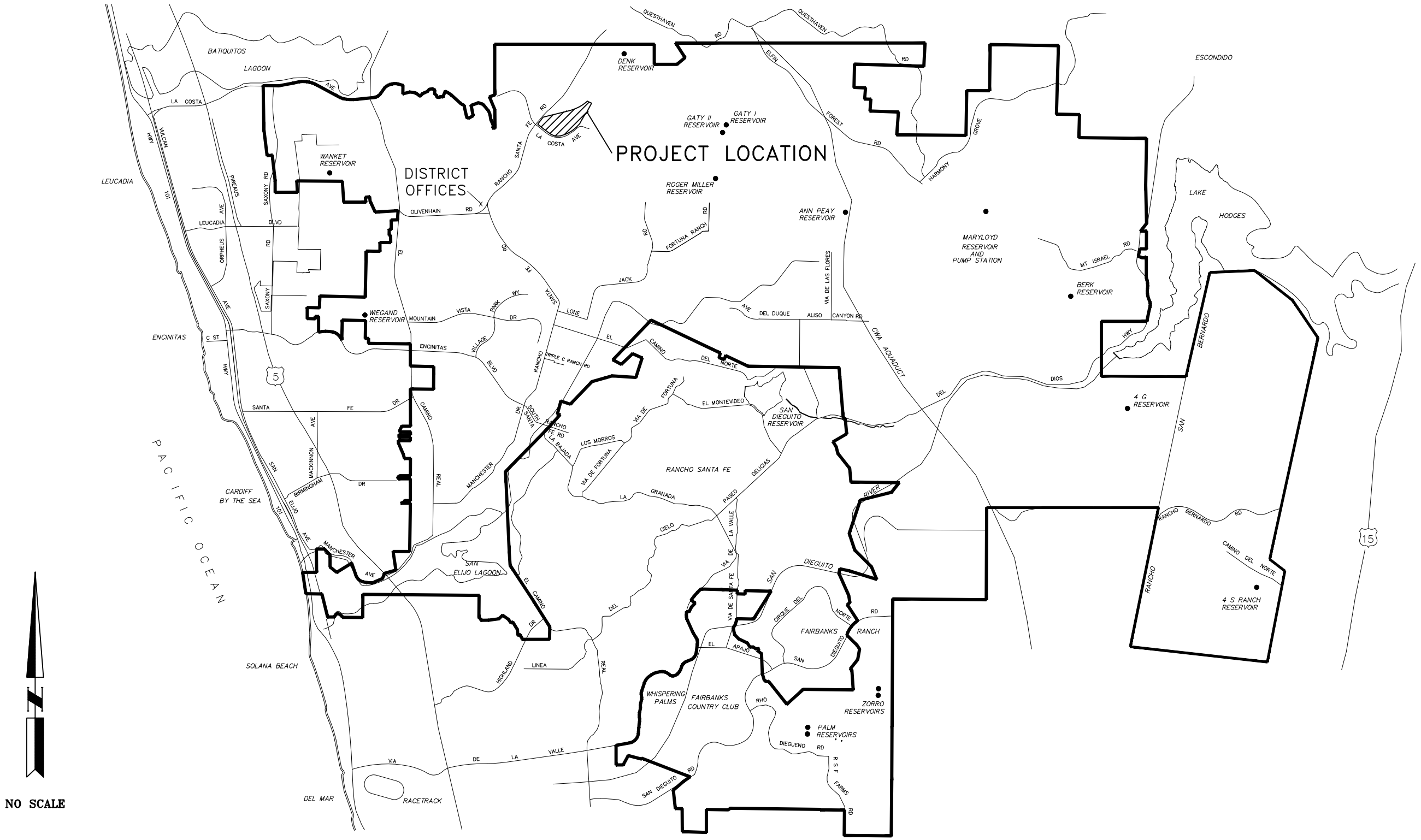
AGENCY City of Carlsbad

4. PRESSURE ZONES:	Zone 4/6
Maximum HGL:	582 feet/672 feet
5. BENEFIT AREA:	A
6. PROPOSED EDUs:	119/127**
7. WATER DEMANDS:	
Commercial – AAD	20 gpm
Domestic – AAD	30 gpm
Irrigation – AAD	
Irrigation – PEAKED	
(gpm over 8 hours)	
8. STATIC WATER PRESSURE:	
Lot elevation range:	*271-406 feet / 294-382 feet*
Based on low lot elevation:	135/164 psi
Based on high lot elevation:	76/126 psi

9. PRIVATE STREETS: Yes PUBLIC STREETS: No EASEMENTS: Yes

10. DEVELOPER: La Costa Town Square, LLC ENGINEER: O'Day Consultants

11. SPECIAL CONDITIONS/FEATURES: Project requires multiple points of connections and CL 200 pipe for elevations below 326 feet for Pressure Zone 6.



La Costa Town Square WATER SYSTEM ANALYSIS

BOYLE | AECOM

OLIVENHAIN Municipal Water District

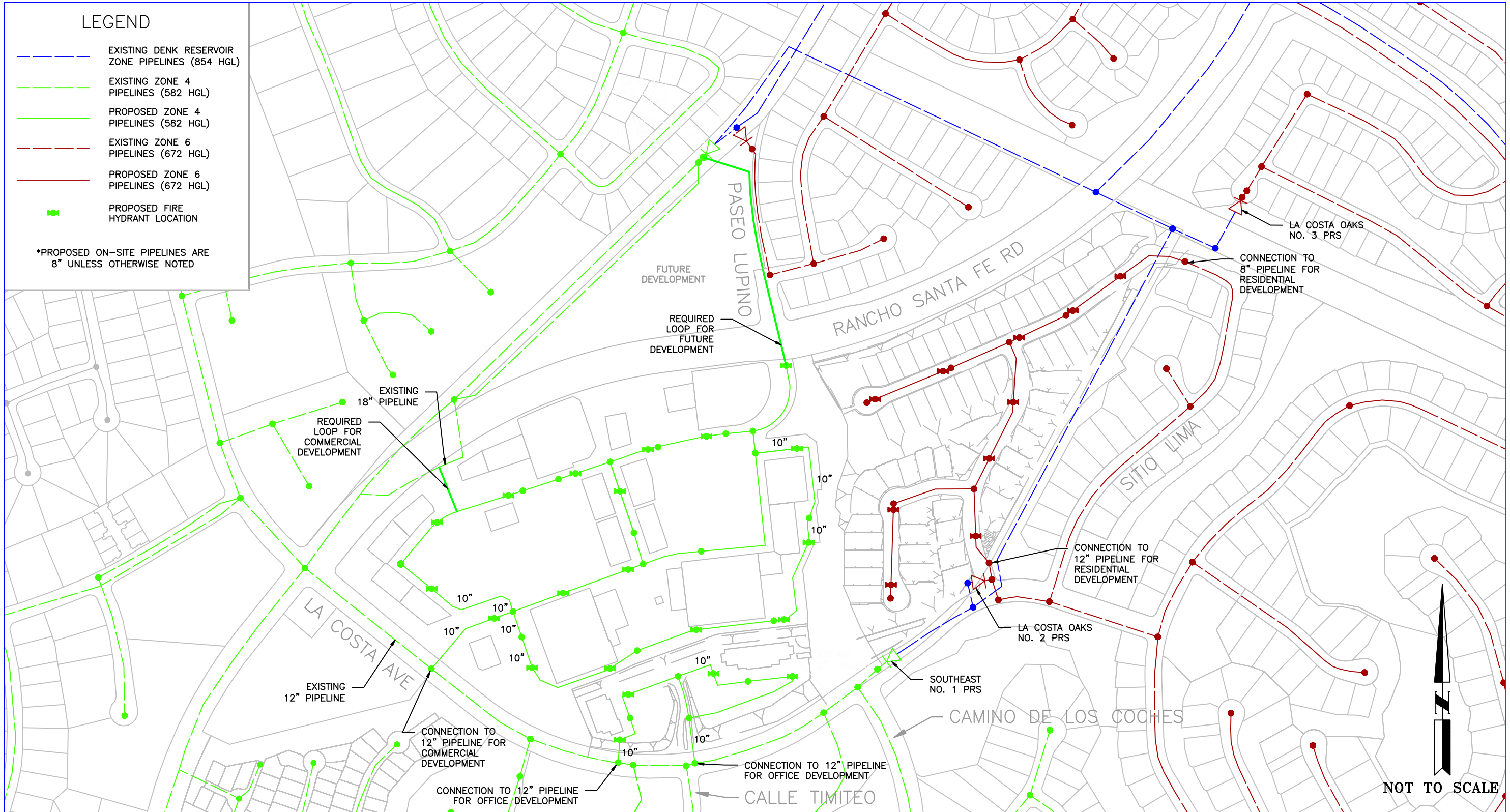
FIGURE 1
LOCATION MAP

20141.02

LEGEND

- EXISTING DENK RESERVOIR ZONE PIPELINES (854 HGL)
- EXISTING ZONE 4 PIPELINES (582 HGL)
- PROPOSED ZONE 4 PIPELINES (582 HGL)
- EXISTING ZONE 6 PIPELINES (672 HGL)
- PROPOSED ZONE 6 PIPELINES (672 HGL)
- PROPOSED FIRE HYDRANT LOCATION

*PROPOSED ON-SITE PIPELINES ARE 8" UNLESS OTHERWISE NOTED



La Costa Town Square
WATER SYSTEM ANALYSIS

BOYLE | AECOM

OLIVENHAIN Municipal Water District

FIGURE 2
ULTIMATE FACILITIES

20141.02

GENERAL POTABLE WATER SYSTEM NOTES
REQUIRED FOR SUBDIVISION IMPROVEMENT PLANS

1. Potable water works shall be constructed in accordance with the details and materials as specified in the most recent edition of the Olivenhain Municipal Water District (District) Standard Specifications and Drawings for the Construction of Water Mains and Facilities, including all amendments adopted prior to the District approval date on these plans. Contractor shall have a copy of the Standard Specifications on the job site at all times.

2. The submission and review of all submittals (shop drawings, six sets) as required by the Standard Specifications are to be accomplished prior to the pre-construction meeting with the District's Inspector.

3. Unless otherwise noted, connections to existing mains shall be made dry. The time and duration of any shutdowns of existing mains shall be subject to approval by the District. District shall be notified two weeks minimum in advance of any shutdown.

4. Contractor shall coordinate with District all arrangements for high-lining temporary services prior to shutdowns. No shutdowns will be scheduled on a Monday or Friday.

5. Contractor shall review all proposed trench work with Cal/OSHA. A copy of exemption letter or trenching permit, if required, shall be submitted to the District prior to construction.

6. No work may begin or proceed without direction of District's Inspector. Contractor shall notify the District inspections department 48 hours prior to the beginning of work to arrange for inspection of the project.

7. The Contractor must call "Dig Alert of Southern California" to have underground service utilities located prior to construction. This call will be made at least 48 hours in advance prior to any work being performed in public right-of-way. (Dig Alert phone: 800-227-2600)

8. All existing facilities which may affect project construction, i.e., line crossings, line paralleling, or proposed connections shall be field verified before any construction begins.

9. The Contractor shall furnish and install per the Standard Specifications the appropriate buried utility warning and identification tape above all public water lines including water laterals located in public right-of-way.

10. Where elevations and grades are not shown on the water main profile, top of pipe profile is 48-inches below centerline of finish grade of street.

11. All deflections (horizontal and vertical) shall be made by use of joint couplings with 4° maximum deflection per coupling (2° per joint). No bending (curving) of pipe shall be permitted.

12. Manual air releases shall be installed at all high points and blow-offs at all low points in the water main profile. Place manual air releases and blow-offs within meter box and locate behind curb unless otherwise approved by District's Representative. Fire hydrants may be

used in lieu of a manual air release or blow-off when located at or near high or low points, as approved by the District's Representative.

13. Install a minimum 1-inch water service to each lot. Meter to be located 5-feet from a side lot line. A 3/4-inch high letter "W" shall be chiseled in top of existing curb or imprinted in new curb at all water service crossings.

14. Meter boxes shall not be placed within driveways or sidewalks without the District's prior written consent.

15. All water services for irrigation, multiple residential complexes, commercial or industrial development shall have approved backflow prevention device on customer's side of water meter.

16. Contractor shall tie off all valve locations and provide written dimensions to Inspector immediately upon installation of valves.

17. Line valves, where required at street intersections shall be located at the tee whenever possible.

18. Fire hydrants, as approved by the appropriate Fire District and meeting the District's Standard Specifications, are to be installed at locations specified by the Fire District.

19. All design changes to the water system shall be approved by the District Representative in writing prior to construction and acceptance of the change.

20. The water system shall be pressure tested in accordance with the procedures in the OMWD Standard Specifications. The class of pipe shall be used as the designated working pressure for testing all pipe, valves (closed) and appurtenances.

21. Pipelines and appurtenances shall be disinfected in accordance with Section 15041 of the OMWD Standard Specifications prior to tie-in or connection to existing system facilities. Bacteriologic quality test results shall conform to the criteria specified in that specification.

22. Contract Record Drawings must be submitted prior to final acceptance of work. The plans must provide post construction verification of the location and elevation of pipes and appurtenances.

23. Contractor shall guarantee all work for a period of one (1) year after the date of acceptance for the project. Contractor shall repair or replace any or all such work, together with any other work which may be displaced in so doing that may prove defective in workmanship and/or materials within the one-year period from the date of acceptance without expense whatsoever to the District, ordinary wear and tear, unusual abuse or neglect excepted.

24. All valve box installation for buried valves in public paved street within the County of San Diego shall adhere to the County's Regional Standard Drawings No. W-12A and W-12B for valve well cover and valve well frame and assembly.

25. All irrigation meters shall be served with recycled water unless previously approved in writing by the District.

Signature Blocks Required for Subdivision Improvement Plans

OLIVENHAIN MUNICIPAL WATER DISTRICT
POTABLE WATER SYSTEM APPROVAL
(OMWD W.O.#_____)
Approved by: AECOM USA, Inc
District's Consulting Engineer

_____ _____ _____
R.C.E. Date Job Number
Note: Signature Expires 2 Years After Date

OLIVENHAIN MUNICIPAL WATER DISTRICT
RECYCLED WATER SYSTEM APPROVAL
(OMWD W.O.#_____)
Approved by: AECOM USA, Inc
District's Consulting Engineer

_____ _____ _____
R.C.E. Date Job Number
Note: Signature Expires 2 Years After Date

OLIVENHAIN MUNICIPAL WATER DISTRICT
SEWER SYSTEM APPROVAL
(OMWD W.O.#_____)
Approved by: District Representative

_____ _____ _____
R.C.E. Date Job Number
Note: Signature Expires 2 Years After Date

NOTE: The above approval blocks are to be placed on the Title Sheet and submitted to the appropriate District Representative(s) for signature. Use the respective approval block(s) only when applicable.

TYPICAL GRANTING AND ACCEPTANCE CERTIFICATE TO BE SHOWN ON TITLE SHEET OF THE TRACT MAP WHEN OMWD FACILITIES ARE WITHIN PRIVATE STREET RIGHT-OF-WAYS.

Granting Certificate:

We hereby grant to the Olivenhain Municipal Water District, a public agency, or its successors or assigns, an easement for water pipelines, other District facilities, and for all access purposes over, under, and across all private streets as shown on this Map, subject to all terms and conditions contained in the certificate granting easements within private streets to the Olivenhain Municipal Water District on County of San Diego Tract No. 4413, Map No. 11372, recorded November 21, 1985, which terms and conditions are hereby incorporated by reference.

Acceptance Certificate:

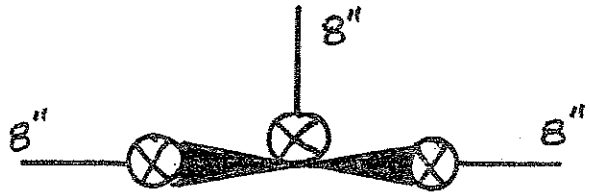
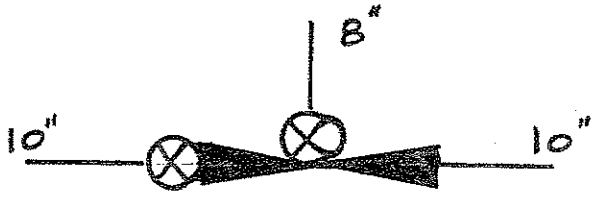
The Olivenhain Municipal Water District hereby accepts the grant of easements described herein, including the terms and conditions contained in the certificate granting easements within private streets granted to the Olivenhain Municipal Water District on County of San Diego Tract No. 4413, Map No. 11372, recorded November 21, 1985. The Olivenhain Municipal Water District consents to the recordation of this Map and has authorized its General Manager to sign this certificate pursuant to Board Resolution No. 87-01, adopted January 15, 1987.

Olivenhain Municipal Water District

By:_____
David C. McCollom, General Manager
Date:_____

Olivenhain Municipal Water District
Guidelines for Placement of Valves on Waterlines

Effectively immediately (6/18/03), the District has adopted a new approach to locating waterline valves near tees for distribution system piping in subdivisions. Valve shall be attached directly to the tee (rather than offset some distance from the tee). Presented below are valve and tee configurations that shall be used for such projects. If the need arises for a configuration that does not match any of those shown below, the designer may submit a proposed configuration for review. The sizes shown below are for illustration only – the plans shall include the appropriate pipe, tee, valve, and adaptor sizes.

DESCRIPTION (and call-out on plans)	SYMBOL
8" FLG TEE W/ 8" FLG X P/O GV'S	
10" x 8" FLG TEE W/ 10" & 8" FLG X P/O GV'S W/ 10" FLG ADAPTOR	
10" P/O x FLG TEE W/ 10" FLG X P/O GV